Attorney Docket No.: WEAT/0372

Express Mail No.: EV335469702US

We claim:

1. An earth removal apparatus, comprising:

a first body portion;

a second body portion at least partially receivable within the first body

portion;

a profile formed on an outer surface of the second body portion; and

a cutting member engaged with the profile, wherein the profile is adapted to

maintain the cutting member on the profile during operation.

2. The earth removal apparatus of claim 1, wherein the profile comprises at

least two intersecting faces, wherein one of the faces provides a support against

rotation of the cutting member.

3. The earth removal apparatus of claim 1, wherein the profile substantially

prevents movement of the cutting member in the profile.

4. The earth removal apparatus of claim 1, wherein the cutting member

comprises a first end and a second end, wherein the second end is selectively

detachable from the profile.

5. The earth removal apparatus of claim 4, wherein the second end is

attached to the second body portion.

6. An earth removal apparatus, comprising:

a drillable body portion;

at least one profile formed on an outer surface of the drillable body portion,

the at least one profile including at least two intersecting faces, wherein one of the

faces includes a projection thereon; and

a blade matingly engageable with the at least one profile.

Attorney Docket No.: WEAT/0372

Express Mail No.: EV335469702US

7. The earth removal apparatus of claim 6, further comprising a sleeve

disposed around a portion of the drillable body portion.

8. The earth removal apparatus of claim 6, wherein the at least one profile

extends into an outer surface of the sleeve, the blade additionally received in the

at least one profile in the sleeve.

9. The earth removal apparatus of claim 6, wherein the projection is

rectangular in cross section, and the blade includes a slot therein for receiving the

projection.

10. The earth removal apparatus of claim 6, wherein the at least one profile is

machined into the drillable body portion.

11. The earth removal apparatus of claim 6, wherein the blade is bonded to the

at least one profile.

12. The earth removal apparatus of claim 6, further comprising a filler disposed

between the blade and the at least one profile.

13. The earth removal apparatus of claim 6, wherein the at least one profile

includes opposed linear sections thereof, the linear sections offset from one

another by an included angle of less than 90 degrees.

14. The earth removal apparatus of claim 6, further including a preform

disposed in the drillable body portion, the preform having the at least one profile

therein.

15. The earth removal apparatus of claim 6, wherein the drillable body portion

further includes one or more passages therethrough.

Attorney Docket No.: WEAT/0372 Express Mail No.: EV335469702US

- 16. The earth removal apparatus of claim 15, further including a passage closure member.
- 17. The earth removal apparatus of claim 6, wherein the profile comprises a notch.
- 18. The earth removal apparatus of claim 6, further comprising a sleeve.
- 19. The earth removal apparatus of claim 18, wherein the drillable body portion comprises aluminum.
- 20. A drill bit, comprising:
 - a first body portion;
 - a drillable second body portion;

at least one profile formed integral with at least one of the first body portion and the drillable second body portion, the at least one profile having at least two opposed segments having a discernable orientation;

a cutting member received in the at least one profile and having the discernable orientation; and

the discernable orientation including an included angle between the opposed segments of less than ninety degrees.

- 21. The drill bit of claim 20, wherein:
- the cutting member includes a segmented profile having a slot therein; the at least one profile having a projection engageable with the slot; and wherein the cutting member is positioned in the at least one profile such that the projection is received in the slot.
- 22. The drill bit of claim 20, wherein the at least one profile extends within the drillable second body portion and the first body portion.

Attorney Docket No.: WEAT/0372 Express Mail No.: EV335469702US

23. The drill bit of claim 20, wherein the at least one profile is machined into the drillable second body portion.

, po....

24. The drill bit of claim 20, wherein the first body portion comprises a sleeve.

25. A method of drilling with casing, wherein a drillable drill bit is provided.

comprising:

providing a drill bit support at a lower end of the casing;

locating a drillable body portion within the drill bit support;

providing a blade receiving member, integral with at least one of the drill bit

support and the body portion, the receiving member including a profile;

positioning a blade having a mating profile on the receiving member; and

using the drill bit to form a wellbore, wherein the profile is adapted to

substantially maintain the blade on the blade receiving member during drilling.

26. The method of claim 25, further including configuring the blade with at least

a first and a second opposed portion, the first and second portions being

positioned, relative to one another, by an included angle of less than ninety

degrees.

27. The method of claim 26, wherein providing the blade receiving member

comprises machining a preform to provide the profile thereon.

28. The method of claim 26, wherein providing the blade receiving member

comprises disposing a preform on at least one of the drill bit support and the body

portion to provide the profile thereon.

29. The method of claim 26, further comprising moving at least a portion of the

drillable body portion out of the drill bit support.

30. The method of claim 29, further comprising bending the first portion relative

to the second to increase the included angle to greater than ninety degrees.

Attorney Docket No.: WEAT/0372 Express Mail No.: EV335469702US

31. A method of completing a wellbore, comprising:

providing an earth removal apparatus at a lower of a drill string, the earth removal apparatus having:

first body portion; and

a drillable portion disposed in the first body portion, the drillable portion including a bore;

forming the wellbore;

blocking the bore from fluid communication;

moving the drillable portion relative the first sleeve portion; and re-establishing fluid communication between an inner portion of the earth removal apparatus and the wellbore.

- 32. The method of claim 31, wherein blocking the bore comprises landing a ball in a ball seat disposed in the bore.
- 33. The method of claim 32, wherein establishing communication comprises pumping the ball through the ball seat.
- 34. The method of claim 31, further comprising preventing a fluid in the wellbore from entering the drill string.
- 35. The method of claim 31, further comprising forming a receiving profile on a bottom surface of the drillable portion.
- 36. The method of claim 35, further comprising providing a blade with a mating profile formed thereon by engaging receiving profile with the mating profile.
- 37. The method of claim 36, wherein the receiving profile includes a projection formed thereon.

Attorney Docket No.: WEAT/0372

Express Mail No.: EV335469702US

38. A downhole valve, comprising:

a first body portion;

a bore disposed through the first body portion; and

an obstruction member retainer at least partially disposed in the bore,

wherein the obstruction member retainer is adapted to cooperate with an

obstruction member to provide selective fluid communication through the bore.

39. The downhole valve of claim 38, wherein the obstruction member retainer

comprises a seating surface.

40. The downhole valve of claim 39, further comprising a biasing member

disposed inside the bore and below the obstruction member retainer.

41. The downhole valve of claim 40, wherein the obstruction member retainer

further comprises a second seating surface.

42. The downhole valve of claim 41, wherein the obstruction member is

moveable from engagement with the seating surface into engagement with the

second seating surface.

43. The downhole valve of claim 42, wherein the obstruction member is urged

into engagement with the second seating surface by the biasing member.

44. The downhole valve of claim 38, wherein the drillable portion comprises

aluminum.

45. The downhole valve of claim 38, wherein the obstruction member retainer

comprises a flexible material.